

Title (en)
SECURE CONTROL OF AUTOMOTIVE SYSTEMS USING MOBILE DEVICES

Title (de)
SICHERE STEUERUNG VON FAHRZEUGSYSTEMEN MIT MOBILEN VORRICHTUNGEN

Title (fr)
COMMANDE SÉCURISÉE DE SYSTÈMES AUTOMOBILES À L'AIDE DE DISPOSITIFS MOBILES

Publication
EP 3334198 B1 20210127 (EN)

Application
EP 17188265 A 20170829

Priority
• RU 2016148487 A 20161212
• US 201715670034 A 20170807

Abstract (en)
[origin: EP3334198A1] Disclosed are systems and methods for secure control of automotive systems using mobile devices. An exemplary method comprises: connecting a vehicle, as a peripheral device, to a mobile device, which acts as a master device, via a security device of the vehicle, wherein the security device provides secure transmission of data and commands between the vehicle and the mobile device; receiving, by the mobile device, via the security device, from one or more measurement devices of the vehicle, measurement data from one or more automotive systems of the vehicle; based on the received measurement data, forming by the mobile device control commands for actuating devices of the vehicle, wherein the control commands enable and/or regulate operation of the actuating devices of the vehicle; and transmitting, by the mobile device, via the security device, the control commands to the actuating devices of the vehicle.

IPC 8 full level
H04W 12/06 (2021.01); **H04L 29/08** (2006.01); **H04W 12/10** (2021.01); **B60R 25/24** (2013.01); **G05D 1/00** (2006.01); **H04L 12/40** (2006.01)

CPC (source: CN EP RU US)
B60R 16/0231 (2013.01 - CN); **B60R 25/01** (2013.01 - US); **B60R 25/24** (2013.01 - US); **B60W 50/08** (2013.01 - EP US); **B62D 5/00** (2013.01 - RU); **G05D 1/0016** (2024.01 - US); **G05D 1/0022** (2024.01 - EP US); **H04L 12/40** (2013.01 - US); **H04L 12/403** (2013.01 - EP US); **H04L 63/0853** (2013.01 - EP US); **H04L 67/12** (2013.01 - EP US); **H04W 12/06** (2013.01 - EP US); **H04W 12/10** (2013.01 - EP US); **B60R 25/24** (2013.01 - EP); **B60W 2552/00** (2020.02 - EP US); **B60W 2554/00** (2020.02 - EP US); **B60W 2555/20** (2020.02 - EP US); **B60W 2555/60** (2020.02 - EP US); **B60W 2556/45** (2020.02 - EP US); **H04L 12/40** (2013.01 - EP); **H04L 2012/40273** (2013.01 - EP US)

Cited by
US2021309245A1; US11738766B2

Designated contracting state (EPC)
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